

## Starlight mkIII: The everything flanger.

Positive & negative Regen, savable present, so many modulation options, MIDI. The Starlight MKIII does all the things. It even lets you control things most other flangers won't. We've included many of our favorite features from the Starlight DLX. Also with the extra controls you can easily dial in a chorus effect or even the envelope controlled vibrato the Subdecay Siren was famous for.

### CONTROLS:

The Starlight MKIII offers 10 adjustable parameters and 11 flanger modes for precise sound control. Obviously there are more settings than knobs. The EDIT MODE switch changes the top 3 knobs.

**Edit MOD/PRESET:** The EDIT MODE switch changes the function of the knobs. When set to MOD PRESET, the select knob is used to switch between different presets. The top three knobs function as the classic flanger controls, RATE, DEPTH, and REGEN.

Operation of the REGEN knob may not feel as familiar. Turn to the right for positive regen & to the left for negative regen. For no regen set to the center.

MOD/PRESET is also where you can save presets. We'll cover that in a moment.

**Edit COLOR:** When the EDIT MODE switch is set to COLOR, the top three knobs control MIX, MANUAL, and WARP. The SELECT knob allows you to choose from 11 modulation modes.

**MIX** adjusts from 100% dry to 100% wet. Fully wet is great for vibrato effects. Flanger effects are usually a 50/50 mix.

**MANUAL** controls the flanger sweep—often called 'frequency' on other flangers. For traditional flanger sounds, keep the MANUAL knob at noon or higher. Turning it left can create wilder tones, especially when REGEN is set high. For more "normal" flanger settings keep the manual control above 50%.

**WARP** alters each modulation mode in different ways, giving you even more options for sound design

MODE		WARP
0	↑ LFO	Sine LFO speeds up via envelope control.
1	↓ LFO	Sine LFO slows down via envelope control.
2		Step Triangle Sequence Modulation.
3		Step Ramp Sequence Modulation.
4		Step Saw Sequence Modulation.
5		Random Sample/Hold Modulation.
6		Tri Square Mix Modulation.
7		Tri Random Mix Modulation.
8		Triangle LFO with Through Zero.
9	RISE	Infinite Rise Modulation.
10	FALL	Infinite Fall Modulation.

*\*for true through zero flanging: use light negative regen to reverse delay phase and set mix to 100% wet. Turning the warp control all the way to the left disables the zero delay point.*

**Edit FINE:** For fine-tuning, switch the EDIT MODE to FINE.

In other flangers these are often hidden fixed settings. With the Starlight's wide sweep and modulation options, you'll often want access to these parameters.

Many flangers use an internal gate or Compressor circuit to keep things quiet when there's no input.

The **GATE** control acts as a squelch. It's particularly helpful when using extreme settings with high REGEN and wide sweeps. It cuts the flanger effect when you're not playing. But maybe you want that high regen to trail off. It sounds like a reverb in a pipe or long narrow corridor on some settings.

**LPF** and **HPF** are great for refining vibrato effects or stepped LFO modulation.

### Saving a preset

- 1 Set edit switch to MOD/PRESETS.
- 2 Hold the FX switch for 2 seconds.
- 3 Choose a spot to save with the select knob.
- 4 Press the switch again to save.

### MIDI

At the top left you'll see the MIDI input. This uses a 1/8 TRS type A MIDI connector. An adapter is not included.

There are some additional settings available via MIDI.

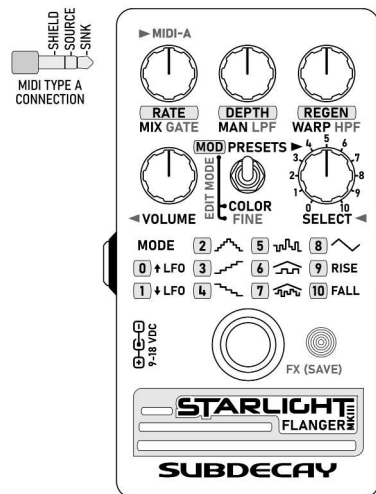
For MIDI implementation & editor please check our website:

<https://subdecay.com/effect/starlight-flanger>

# SUBDECAY

## STARLIGHT<sup>MKIII</sup>

### FLANGER



## USER GUIDE

VERSION 1.00A

### Factory Reset and startup options:

When powering on the pedal the LED will flash. Press the bypass switch while the LED is flashing to enter the power up menu.

The LED will change the flash pattern based on the SELECT knob setting. There will be one long flash followed by two short burst of flashes to confirm the SELECT knob setting. Press the bypass switch to finalize selection.

Select	Long	Short1	Short2	
0	1	2	1	Factory reset
1	1	2	2	Restore factory flanger presets
2	1	2	3	Restore factory synth presets
3	1	2	4	Reset start up options - Midi CH1. MIDI note enables synth.
4	1	3	1	Reserved
5	1	3	2	Set MIDI clock enabled/disabled
6	1	3	3	MIDI note activates synth.
7	1	3	4	Only CC115 activates synth.
8	1	4	1	Set MIDI Channel 1-11.
9	1	4	2	Set MIDI Channel 12-16.
10	1	1	1	EXIT.

**Warranty:** Subdecay Studios offers a 3 year limited warranty from the purchase date to the original purchaser. This warranty does not cover polar bear attacks, willful destruction, using your pedal as a hammer, or the neglect of the user. It does not cover the finish, paint or any external superficial damage. Any unauthorized repairs or modifications voids the warranty.

This document was believed to be accurate at the time it was created. Specifications are subject to change without notice.